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OM nucleic - nucleic search, using sw model

Run on: June 18, 2003, 00:02:36 ; Search time 79 Seconds  
(without alignments)  
4048.910 Million cell updates/sec

Title: US-09-807-933B-13

Perfect score: 1043

Sequence: 1 ggatctctggacaagatgaa.....cgcaagtaaacgagatcc 1043

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*

1: /cgn2\_6/ptodata/1/ina/5A COMB.seq.\*

2: /cgn2\_6/ptodata/1/ina/5B COMB.seq.\*

3: /cgn2\_6/ptodata/1/ina/6A COMB.seq.\*

4: /cgn2\_6/ptodata/1/ina/6B COMB.seq.\*

5: /cgn2\_6/ptodata/1/ina/PTUS COMB.seq.\*

6: /cgn2\_6/ptodata/1/ina/backfileseq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	286.4	27.5	807	4	US-09-230-665-5
2	286.4	27.5	1060	1	US-08-090-013-1
3	286.4	27.5	1060	1	US-08-081-328-1
4	286.4	27.5	1060	1	US-08-232-249-1
5	286.4	27.5	1060	2	US-08-921-426-7
6	286.4	27.5	1060	2	US-08-833-642A-1
7	286.4	27.5	1060	2	US-08-140-008A-3
8	286.4	27.5	1060	2	US-08-389-423-1
9	286.4	27.5	1060	3	US-08-816-915-7
10	286.4	27.5	1060	4	US-09-189-060B-55
11	286.4	27.5	1060	4	US-09-230-665-1
12	286.4	27.5	1060	4	US-09-189-028-1
13	286.4	27.5	1060	5	FCI-US95-07743-7
14	274.8	26.3	927	3	US-08-651-136C-5
15	274.8	26.3	927	4	US-09-229-911A-5
16	273.4	26.2	894	3	US-08-651-136C-3
17	273.4	26.2	894	4	US-09-229-911A-3
18	273.4	26.2	960	3	US-08-651-136C-1
19	273.4	26.2	960	4	US-09-229-911A-1
20	271.8	26.1	922	4	US-09-189-060B-65
21	268.2	25.7	922	4	US-09-189-060B-73
22	260.2	24.9	1174	2	US-08-872-437-1
23	260.2	24.9	1174	3	US-08-651-136C-11
24	260.2	24.9	1174	4	US-09-229-911A-11
25	257.4	24.7	919	4	US-09-189-060B-67
26	246.2	23.6	1132	3	US-08-651-136C-21
27	246.2	23.6	1132	4	US-09-229-911A-21

28 240.2 23.0 913 3 US-08-651-136C-13 Sequence 13, Appl  
29 240.2 23.0 913 4 US-09-229-911A-13 Sequence 13, Appl  
30 237.8 22.6 885 3 US-08-651-136C-23 Sequence 23, Appl  
31 237.8 22.6 885 4 US-09-229-911A-23 Sequence 23, Appl  
32 235.4 22.6 1473 1 US-08-090-013-3 Sequence 3, Appl  
33 235.4 22.6 1473 1 US-08-081-328-3 Sequence 3, Appl  
34 235.4 22.6 1473 1 US-08-232-249-3 Sequence 3, Appl  
35 235.4 22.6 1473 2 US-08-833-642A-3 Sequence 3, Appl  
36 235.4 22.6 1473 2 US-08-389-423-3 Sequence 3, Appl  
37 235.4 22.6 1473 4 US-09-230-665-3 Sequence 3, Appl  
38 235.4 22.6 1473 4 US-09-189-028-3 Sequence 3, Appl  
39 233 22.3 924 4 US-09-189-060B-69 Sequence 69, Appl  
40 231.8 22.2 1423 3 US-08-651-136C-9 Sequence 9, Appl  
41 231.8 22.2 1423 4 US-09-229-911A-9 Sequence 9, Appl  
42 228.4 21.9 984 4 US-09-230-665-7 Sequence 7, Appl  
43 225.2 21.6 1257 3 US-09-230-222-2 Sequence 2, Appl  
44 223.6 21.4 927 4 US-09-254-733-4 Sequence 4, Appl  
45 223.4 21.4 1257 4 US-09-230-225B-5 Sequence 5, Appl

#### ALIGNMENTS

##### RESULT 1

US-09-230-665-5

; Sequence 5, Application US/09230665

; Patent No. 6322595

; GENERAL INFORMATION:

; APPLICANT: Boyer, Stanton L

; TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase

; FILE REFERENCE: 6191 Sequence Listing (8 Sequences)

; Patent No. 6322595

; CURRENT APPLICATION NUMBER: US/09/230,665

; CURRENT FILING DATE: 1999-01-29

; EARLIER FILING DATE: 1996-07-30

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 5

; TYPE: DNA

; LENGTH: 807

; ORGANISM: Unknown Organism

; FEATURE:

; OTHER INFORMATION: Description of Unknown Organism:Organism encoding

; OTHER INFORMATION: an endoglucanase enzyme

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (10)..(711)

; FEATURE:

; NAME/KEY: mat peptide

; LOCATION: (73)..(711)

; FEATURE:

; NAME/KEY: sig peptide

; LOCATION: (10)..(72)

; US-09-230-665-5

Query Match 27.5%; Score 286.4; DB 4; Length 807;

Best Local Similarity 70.7%; Pred. No. 1.7e-48;

Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;

QY 381 CAGCGCTGTGTCAGCGGTGGCGCTAGCGGC-AACCGCGCTACTACCGCTACTGGAGCTGCT 439

DB 47 CCGCCCTGCGGTGTGGCCCTTGCCTGATGGCAGGTCCACCGCTACTGGAGCTGCT 106

QY 440 GCAAGCGCTGTGCTCGTGGCCCGCGGCAAGCTAACGTACGTGCTGCTCAATCTCTGCA 499

DB 107 GCAAGCGCTGTGCTGGCGCTGGCGCCCAAGAGGCTCCCGTGAACAGCTGTCTTTCTCTGCA 166

QY 500 ACNAGACGGCGTCAACCGCTCTTAGCGACTCCCAACGCCAGTCCGGCTGCAAA---CGGCG 556

DB 167 AC---GCCAACTTCCAGCGGTATCAGCGACTTCAGACCAAGTCCGGCTGCGACCGCGGCG 223

557 GCAACTCTACATGTGCAACGCAACACGACGATGGGCTGTCAACGACACCTTGTCTTACG 616  
224 GTGTGCGCTACTCGTGGCGGACAGACCCCATGGGCTGTGAACGACGACTTTCGGGCTCG 283  
617 GTTTCGGTGGCTGCGCATTAAGCGGCTGGGAGAGCGCTGGTGTCTCTCTCTCTCG 676  
284 GTTTCGGTGGCTGCGCATTAAGCGGCTGGGAGAGCGCTGGTGTCTCTCTCTCTCG 343  
677 AGCTCACTTCACTTCCACGAGGCTTGTGCGCAAGAGATGCTGCTCAAGGTCACCAACA 736  
344 AGCTCACTTCACTTCCACGAGGCTTGTGCGCAAGAGATGCTGCTCAAGGTCACCAACA 403  
737 CTGGCGGTGAGCTTGGGAGCTGACCGGTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCT 796  
404 CTGGCGGTGAGCTTGGGAGCTGACCGGTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCT 454  
797 GCGTGGGCTGCTTCAACGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 856  
455 GCGTGGGCTGCTTCAACGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 505  
857 GCGTGGGCTGCTTCAACGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 916  
506 AGCGCTACGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 565  
917 GCGTGGGCTGCTTCAACGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 976  
566 GCGTGGGCTGCTTCAACGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 625  
977 AGGAGGTCACTTCCCGCAAGGAGATCACCGCTTAAGACCGGATGCTGCTGCTGCTGCTGCT 1028  
626 GTCAGGTCCAGTCCCGCAAGGAGATCACCGCTTAAGACCGGATGCTGCTGCTGCTGCTGCTGCT 677

RESULT 2

US-08-090-013-1  
; Sequence 1, Application US/08090013  
; Patent No. 5443750  
; GENERAL INFORMATION:  
; APPLICANT: CONVENTS, ANDRE C  
; APPLICANT: BUSCH, ALFRED  
; APPLICANT: BAECK, ANDRE C  
; TITLE OF INVENTION: DETERGENT COMPOSITION WITH HIGH ACTIVITY  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: THE PROCTER & GAMBLE COMPANY  
; STREET: 5299 SPRING GROVE AVENUE  
; CITY: CINCINNATI  
; STATE: OHIO  
; COUNTRY: USA  
; ZIP: 45217  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/090,013  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP 91202880.0  
; FILING DATE: 06-NOV-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: PATEL, KEN K.  
; REGISTRATION NUMBER: 33,988  
; REFERENCE/DOCKET NUMBER: CM393  
; TELEPHONE: 513-627-6437  
; TELEFAX: 513-627-4854  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1060 base pairs

TYPE: nucleic acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 10..924  
US-08-090-013-1  
Query Match 27.5%; Score 286.4; DB 1; Length 1060;  
Best Local Similarity 70.7%; Pred. No. 1.8e-48;  
Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;  
QY 381 CAGCGCTGTACGCGGTGGCGTACGGG-C-AACGGGCTCACTACCGGCTACTGGGACTGCT 439  
Db 47 CGCGCTTCCGCGTGTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCT 106  
QY 440 GCAAGCTTCCGCTGCTGCTGGCGCGGCAAGGCTTAAGCTCAGCTCGCTCTCAAGTCTCTGCA 499  
Db 107 GCAAGCTTCCGCTGCTGCTGGCGCGGCAAGGCTTCCGCTGAAACAGGCTGTCTTCTCTGCA 166  
QY 500 ACAAGGAGCGGCTCAACCGCTCTTACGACTCCAAAGCGGCTGCGGCTGCGGCTGCGGCTGCGGCT 556  
Db 167 AC---GCCAACTTCCAGGCTATCACGGACTTCGACGCCAAAGTCCGGCTGCGAGCGGCGG 223  
QY 557 GCAATCTCTATGTCGACGACACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 616  
Db 224 GTGCGCTTACTCGTGGCGCGGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 283  
QY 617 GTTTCGGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 676  
Db 284 GTTTCGGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 343  
QY 677 AGCTCACTTCACTTCCACGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 736  
Db 344 AGCTCACTTCACTTCCACGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 403  
QY 737 CTGGCGGTACCTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 796  
Db 404 CTGGCGGTACCTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 454  
QY 797 GCGTGGGCTGCTTCAACGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 856  
Db 455 GCGTGGGCTGCTTCAACGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 505  
QY 857 GCGCTACGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 916  
Db 506 AGCGCTACGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 565  
QY 917 CCGGCTGCAAGTGGCGCTTCAACTGCTTCAAGAAACGCGGACCAACCGCTCCATGACCTTACA 976  
Db 566 CCGGCTGCTACTGGCGCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 625  
QY 977 AGGAGGTCACTTCCCGCAAGGAGATCACCGCTTAAGACCGGATGCTGCTGCTGCTGCTGCTGCT 1028  
Db 626 GTCAGGTCCAGTCCCGCAAGGAGATCACCGCTTAAGACCGGATGCTGCTGCTGCTGCTGCTGCTGCT 677

RESULT 3

US-08-081-328-1  
; Sequence 1, Application US/08081328  
; Patent No. 5520838  
; GENERAL INFORMATION:  
; APPLICANT: BAECK, ANDRE C.  
; APPLICANT: CEULEMANS, RAPHAEL, ANGELINE A.  
; APPLICANT: BUSCH, ALFRED (NMN)  
; TITLE OF INVENTION: COMPACT DETERGENT COMPOSITIONS WITH  
; TITLE OF INVENTION: HIGH ACTIVITY CELLULOSE  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: THE PROCTER & GAMBLE COMPANY  
; STREET: 11810 East Miami River Road  
; CITY: CINCINNATI  
; STATE: OHIO

COUNTRY: USA  
 ZIP: 45253-8707  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/081,328  
 FILING DATE: 11/19/93  
 CLASSIFICATION: 252  
 ATTORNEY/AGENT INFORMATION:  
 NAME: ZERBY, KIM WILLIAM  
 REGISTRATION NUMBER: 32,323  
 REFERENCE/DOCKET NUMBER: CM356M  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 513-627-2885  
 TELEFAX: 513-627-0318  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1060 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: unknown  
 TOPOLOGY: unknown  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 10..924  
 US-08-081-328-1

Query Match 27.5%; Score 286.4; DB 1; Length 1060;  
 Best Local Similarity 70.7%; Pred. No. 1.8e-48;  
 Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;

QY	381	CAGCGCTGTACGGTGGCGCTAGCGGC-AACGGCTCACTACCCGCTACTGGGACTGCT	439
DB	47	CGCGCCCTGCGGTGTGGCGCTTGGCGCTGATGGCAGGTCCACCGCTACTGGGACTGCT	106
QY	440	GCAAGGCTTCGTGCTCGTGGCGCGCAAGCTAACTCAGCTCGCTGTCAAGTCTCTGCA	499
DB	107	GCAGCTTCGTGGCGCTGGCGCAAGAGCTCCCGTGAACAGCTGTCTTTCTGCA	166
QY	500	ACAAGGACGGCTACCGCTCTTAGCGACTCCAAACGCCCGAGTCCGGCTGCAA	556
DB	167	AC---GCCAACTTCCAGCGTATACGGAATTCGACGCCAAGTCCGGCTGCGAGCCGGG	223
QY	557	GCAACTCTTACATGTGCAACGACCAACCGCATGGCTGTCAACGACACCTTGCTTACG	616
DB	224	GTGTGCGCTTACTGTGGCGCGGACAGACCCCGCTGTGTAACGACGACTTTCGCGCTCG	283
QY	617	GTTTGCTCTCCGCTGCTCCATTAGCGCGGTGGCGAGAGCGGCTGGTGTCTCTCTCTTGG	676

QY 977 AGGAGTCACTGCCCAAGGAGATCACCGCTAAAGACGGAGTGTCTGCGCAA 1028  
 DB 626 GTCAGTTCAGTCCCGAGCGGAGCTGCTGCTCGCACCGAGTCCGCCGCAA 677

RESULT 4  
 US-08-232-249-1  
 Sequence 1, Application US/08232249  
 Patent No. 5610129  
 GENERAL INFORMATION:  
 APPLICANT: MCCORQUODALE, FINLAY (NMN)  
 APPLICANT: BUSCH, ALFRED (NMN)  
 TITLE OF INVENTION: DYE TRANSFER INHIBITING COMPOSITIONS  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: THE PROCTER & GAMBLE COMPANY  
 STREET: 5299 SPRING GROVE AVENUE  
 CITY: CINCINNATI  
 STATE: OHIO  
 COUNTRY: USA  
 ZIP: 45217  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/232,249  
 FILING DATE: 05-MAY-1994  
 CLASSIFICATION: 510  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: EP 91202882.6  
 FILING DATE: 06-NOV-91  
 ATTORNEY/AGENT INFORMATION:  
 NAME: ALLEN, GEORGE W.  
 REGISTRATION NUMBER: 26,143  
 REFERENCE/DOCKET NUMBER: CM-395  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 513-627-5946  
 TELEFAX: 513-627-8118  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1060 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: unknown  
 TOPOLOGY: unknown  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 10..924  
 US-08-232-249-1

Query Match 27.5%; Score 286.4; DB 1; Length 1060;  
 Best Local Similarity 70.7%; Pred. No. 1.8e-48;  
 Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;

QY	381	CAGCGCTGTACGGTGGCGCTAGCGGC-AACGGCTCACTACCCGCTACTGGGACTGCT	439
DB	47	CGCGCCCTGCGGTGTGGCGCTTGGCGCTGATGGCAGGTCCACCGCTACTGGGACTGCT	106
QY	440	GCAAGGCTTCGTGCTCGTGGCGCGCAAGGCTAACTCAGCTCGCTGTCAAGTCTCTGCA	499
DB	107	GCAGCTTCGTGGCGCTGGCGCAAGAGCTCCCGTGAACAGCTGTCTTTCTGCA	166
QY	500	ACAAGGACGGCTACCGCTCTTAGCGACTCCAAACGCCCGAGTCCGGCTGCAA	556
DB	167	AC---GCCAACTTCCAGCGTATACGGAATTCGACGCCAAGTCCGGCTGCGAGCCGGG	223
QY	557	GCAACTCTTACATGTGCAACGACCAACCGCATGGCTGTCAACGACACCTTGCTTACG	616
DB	224	GTGTGCGCTTACTGTGGCGCGGACAGACCCCGCTGTGTAACGACGACTTTCGCGCTCG	283
QY	617	GTTTGCTCTCCGCTGCTCCATTAGCGCGGTGGCGAGAGCGGCTGGTGTCTCTCTTGG	676

Db 284 GTTTTGTGCTCCACCTCTATTGCGGCGAGCAATGAGGCGGCTGTGCTGCGCTGTACG 343  
QY 677 AGCTACCTTCACCTCCACAGCGTGTGCTGGGAAGATGCTGCTCCAGGTCCACCAACA 736  
Db 344 AGCTACCTTCACATCCGGTCTGTTGCTGGCAAGAGATGCTGCTCCAGTCCACAGCA 403  
QY 737 CTGGGCTGACCTTGGGAGCTCGACCGTGCACCTTCGATCTCCAGATGCCCGGCGG 796  
Db 404 CTGGGCTGATCTTGGCAGAA-----CCACTTCGATCTCAACATCCCGGGGGG 454  
QY 797 GCGTCCGATCTTCAACGAGTGTGCTCCAGTGGGGGCTCCCAACGAGCGGTGGGCT 856  
Db 455 GCGTCCGATCTTCCAGAGTGTGCTCCAGTGGGGGCTCCCAACGAGCGGTGGGCT 505  
QY 857 GCGTCCGATCTTCCAGAGTGTGCTCCAGTGGGGGCTCCCAACGAGCGGTGGGCT 916  
Db 506 AGCGTACGCGGCGATCTCGTCCGCAACGAGTGGGATCGGTTCCCGAGCGCTCAAGC 565  
QY 917 CCGGCTCAAGTGGCGCTTCAACTGGTTCAGAAACGCGGACCGCTCCATGACCTACA 976  
Db 566 CCGGCTCAAGTGGCGCTTCAACTGGTTCAGAAACGCGGACCGCTCCATGACCTACA 625  
QY 977 AGGAGTCACTGCTCCCAAGGAGATCACCGTAAAGACCGGATGCTCGCGCAA 1028  
Db 626 GTCAGGTCCAGTCCCGGAGGCTCGTCCGTCGACCGGATGCGCGCGCAA 677

RESULT 5  
US-08-921-426-7  
; Sequence 7, Application US/08921426  
; Patent No. 5837847  
; GENERAL INFORMATION:  
; APPLICANT: Royer, John C  
; APPLICANT: Moyer, Donna L  
; APPLICANT: Yoder, Wendy T  
; APPLICANT: Shuster, Jeffrey R  
; TITLE OF INVENTION: NON-TOXIC, NON-TOXIGENIC, NON-PATHOGENIC  
; TITLE OF INVENTION: FUSARIUM EXPRESSION SYSTEM  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 5837847 No. 5837847disk of No. 5837847th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/921,426  
; FILING DATE: 29-AUG-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/456,433  
; FILING DATE: 01-JUN-1995  
; APPLICATION NUMBER: US 08/404,678  
; FILING DATE: 15-MAR-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Agis Dr., Cheryl H.  
; REGISTRATION NUMBER: 34,086  
; REFERENCE/DOCKET NUMBER: 4216.010-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-867-0123  
; TELEFAX: 212-878-9655  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1060 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear

FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 10...924  
FEATURE:  
; NAME/KEY: mat\_peptide  
; LOCATION: 73...924  
FEATURE:  
; NAME/KEY: sig\_peptide  
; LOCATION: 10...72  
US-08-921-426-7  
Query Match 27.5%; Score 286.4; DB 2; Length 1060;  
Best Local Similarity 70.7%; Pred. No. 1.8e-48; Indels 25; Gaps 5;  
Matches 461; Conservative 0; Mismatches 166;  
QY 381 CAGCGCTGTGACGCGTGGCGCTAGCGGC-AACGGCGTCACTACCGCTACTCGGACTGCT 439  
Db 47 CCGCGCTGCGGCTGTGGCCCTTGGCGCTGATGGCAGGTCCACCGCTACTCGGACTGCT 106  
QY 440 GCAAGGCTTGTGCTGCTGGCCCGGCAAGGCTAAAGTCAAGTCTGCTGCTCAAGTCTGCA 499  
Db 107 GCAAGGCTTGTGCTGCTGGCCCGGCAAGGCTCCCGTGAACGAGCTGTCTTTTCTGCA 166  
QY 500 ACAAGGACGGCGTCAAGGCTCTTAGGACTCCCAAGCGCGAGTCCGCTCAA---CGGCG 556  
Db 167 AC---GCCAACTTCCAGCGTATACCGGACTTCAGCGCAAGTCCGCTCGAGCGCGGCG 223  
QY 557 GCAACTCTTACATGTGCAACGACAAACAGCCATGGGCTGTCAACGACAACTTGTGTACG 616  
Db 224 GTGTGCGCTACTGCTGGCGCGACAGACCCCATGGGCTGTGAACGAGACTTCGCGCTCG 283  
QY 617 GTTTCGCTCGGCTGCCATTAGGCGGCTGGGCGAGCGCTGCTGCTGCTGCTGCTGCTGCT 676  
Db 284 GTTTCGCTCGGCTGCCATTAGGCGGCTGGGCGAGCAATGAGCGCGGCTGCTGCTGCTGCT 343  
QY 677 AGCTCACCTTCACTCCACGAGGCTTGTGGCAAGAGATGCTGCTCAGGTCCACCAACA 736  
Db 344 AGCTCACCTTCACTCCACGAGGCTTGTGGCAAGAGATGCTGCTCAGGTCCACCAACA 403  
QY 737 CTGGCGGTGACCTTGGCAGCTCGACCGGTGCCACTTTCAGATCTTCAGATCTTCAGATCT 796  
Db 404 CTGGCGGTGATCTTGGCAGCA-----CCACTTCGATCTCAACATCCCGCGGCGG 454  
QY 797 GCGTCCGATCTTCAAGGAGTGTGCTCCAGTGGGCGGCTCCCAAGCGGCTGGGCT 856  
Db 455 GCGTCCGATCTTTCAGCGGATGCACTCCCGAGTTCGCGCTGCTGCTGCTGCTGCTGCT 505  
QY 857 CCGCTACGCGGCGATCAGCTCCCGCAGCGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 916  
Db 506 AGCGCTACGCGGCGATCTCGTCCCGCAACGAGTGGCGATCGGTTCCCGCGCTCAAGC 565  
QY 917 CCGGCTGCAAGTGGCGCTTCAACTGGTTCAGAAACGCGGACCGCTCCATGACCTACA 976  
Db 566 CCGGCTGCTACTGCGCGCTTCGACTGGTTCAAGAAACGCGGCAATTCGAGCTTCAGCTTCC 625  
QY 977 AGGAGTCACTGCTCCCAAGGAGATCACCGTAAAGACCGGATGCTCGCGCAA 1028  
Db 626 GTCAGGTCCAGTCCCGGAGGCTGCTGCTCGACCGGATGCGCGCGCAA 677

RESULT 6  
US-08-833-642A-1  
; Sequence 1, Application US/08833642A  
; Patent No. 5883066  
; GENERAL INFORMATION:  
; APPLICANT: Ivan M. A. J. Herbots et al.  
; TITLE OF INVENTION: Liquid Detergent Compositions  
; TITLE OF INVENTION: Containing Cellulase and Amine  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jackie Ann Zurcher  
; ADDRESSEE: Dinsmore & Shohl LLP  
; STREET: 255 E. Fifth Street

STREET: 1900 Chemed Center  
CITY: Cincinnati  
STATE: Ohio  
COUNTRY: USA  
ZIP: 45202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WordPerfect 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/833,642A  
FILING DATE: April 8, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Zurcher, J. A.  
REGISTRATION NUMBER: P42,251  
REFERENCE/DOCKET NUMBER: CMS51C  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (513) 977-8377  
TELEFAX: (513) 977-8141  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1060 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: Humicola insolens  
STRAIN: DSM 1800  
FEATURE:  
NAME/KEY: mat peptide  
LOCATION: 73..927  
FEATURE:  
NAME/KEY: sig peptide  
LOCATION: 10..72  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 10..927  
US-08-833-642A-1  
Query Match 27.5%; Score 286.4; DB 2; Length 1060;  
Best Local Similarity 70.7%; Pred. No. 1.8e-48;  
Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;  
QY 381 CAGCGTGTGAGCGGTGCGCTAGCGGC-AACGGGTCTACTACCGGCTACTGGGACTGCT 439  
DB 47 CCGCCCTGCGGTGTGGCCCTTGGCCCTGATGGCAGGTCCACCCGCTACTGGGACTGCT 106  
QY 440 GCAAGGCTTGTCTGTGCGCCGCGCAAGCTAACGTGAGTCTGCTGCTCAAGTCTCTGCA 499  
DB 107 GCAAGCTTGTGCGGTGCGCCGCAAGGCTCCCGTGAACGAGCTGTCTTTCTCTGCA 166  
QY 500 ACAAGGAGCGGTGCTGCTCTTGTAGGACTTCAACGCCCAAGTCCGGCTGCAA---CGGCG 556  
DB 167 AC---GCCAATCTCCAGCGTATCAGGACTTCAGCGCAAGTCCGGCTGCGGAGCGGGCG 223  
QY 557 GCAATCTCTACATGTGCAACGACACACAGCCATGGGCTGTCAACGACACCTTGTCTAGC 616  
DB 224 GTGTGCGCTACTGTGCGCGCGCAGACACCCCATGGGCTGTGAACGACGACTTCGCGCTCG 283  
QY 617 GTTTTGTGCGCTGCGCTGATAGCGGCGGTGCGGAGCGCGCTGCTGCTGCTGCTGCTGCTG 676  
DB 284 GTTTTGTGCGCACTCTATTGCGCGCGAGCAATGAGCGGCGCTGGTGGCGCTGCTGCTGCTG 343  
QY 677 AGCTCACTTCACTTCCACCGAGGCTTGTGCGCAAGAGATGCTGCTCCAGGTCAACCAACA 736  
DB 344 AGCTCACTTCACTCCGGTCTTGTGCTGCGCAAGAGATGCTGCTCCAGTCCACGACGA 403  
QY 737 CTGGCGGTGACTTGGCAGCTCGACCGGTCGCCCACTTGCATCTCCAGATGCCCGGCGGCG 796  
DB 404 CTGGCGGTGATCTTGGCAGCAA-----CCACTTGCATCTCAACATCCCGGCGGCGG 454

797 GGTGCGCATCTTCAACGAGTCTGCTCCAGTGGGGCGCTCCCAACGACGGCTGGGGCT 856  
DB 455 GGTGCGCATCTTCAACGAGTCTGCTCCAGTGGGGCGCTCCCAACGACGGCTGGGGCT 905  
QY 857 CCGCTACCGCGGCGCATCTGCTCCGCGAGGAGTCTGCTCCCTCCCGAGCGGCTCCAGG 916  
DB 506 AGCGCTACCGCGGCGCATCTGCTCCGCGAGGAGTCTGCTCCCTCCCGAGCGGCTCCAGG 565  
QY 917 CCGGCTGCAAGTGGCGCTTCAACTGTTCAAGAACCGCGACACCGCTCCATGACCTACA 976  
DB 566 CCGGCTGCTACTGGCGCTTCAACTGTTCAAGAACCGCGACACCGCTCCATGACCTTCC 625  
QY 977 AGGAGGTACCTGCGCCCAAGGAGATCACCGCTTAAGACCGGATGCTCGCGCAA 1028  
DB 626 GTCAGGTTCAGTGGCGCGGAGTCTGCTCGGACCGGATGCGCGCAA 677

RESULT 7  
US-08-140-008A-3  
Sequence 3, Application US/08140008A  
Patent No. 5914306  
GENERAL INFORMATION:  
APPLICANT: SVENDSEN, Allan  
APPLICANT: VON DER OSTEN, Claus  
APPLICANT: CLAUSEN, Ib Groth  
APPLICANT: PATKAR, Shamkant Anant  
APPLICANT: BORCH, Kim  
TITLE OF INVENTION: STABILIZED ENZYMES  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESS: No. 5914306 No. 5914306disk of No. 5914306th America  
STREET: 405 Lexington Avenue  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10174  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/140,008A  
FILING DATE: 22-OCT-1993  
CLASSIFICATION: 252  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 3601.204-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 867-0123  
TELEFAX: (212) 878-9655  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1060 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 10..924  
FEATURE:  
NAME/KEY: sig peptide  
LOCATION: 10..72  
FEATURE:  
NAME/KEY: mat peptide  
LOCATION: 73..924  
US-08-140-008A-3  
Query Match 27.5%; Score 286.4; DB 2; Length 1060;  
Best Local Similarity 70.7%; Pred. No. 1.8e-48;

Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;

QY 381 CAGCGCTGTCAGCGGTGGCGCTAGCGGC-AACGGCGTCACTACCGCTACTGGAGTGT 439

Db 47 CCGCCCTGCGCGGTGTTGGCCCTTGGCGCTGATGCGAGTCCACCGCTACTGGAGTGT 106

QY 440 GCAAGGCTTCTGCTCGTGGCGCGCAAGGCTAACGTCAGCTCGCTGTCAAGTCTTCA 499

Db 107 GCAAGGCTTCTGCTGGCGTGGCGCAAGGCTCCCGTGAACAGCTGCTTTTCTGCA 166

QY 500 ACAAGGAGCGGCTCACCGCTTTAGCGACTTCAACGCGCAGTCCGGCTGCAA---CGGCG 556

Db 167 AC---GCCAACTTCCAGCGTATCAGCGACTTCAGCGCAAGTCCGGCTGCGAGCGCGGCG 223

QY 557 GCACTCTCATATGTCAGCAAGCAACAGCGATGGGCTGTCAACGCAACCTTGTCTAG 616

Db 224 GTGTGCGCTACTCGTGGCGCGACAGACCCATGGGCTGTGAACAGAGCTTCGCGCTG 283

QY 617 GTTTCGCTGCGGCTGCCATTAGCGGCTGGCGAGCGCGCTGTGTCTGTCTGTCTG 676

Db 284 GTTTCGCTGCGGCTGTATTCGCGGCGAGCAATGAGCGGCTGTGTCTGTCTGTCTG 343

QY 677 AGCTCACTTCACTCCACGAGGCTTCTGCGCAAGAGATGGTCCAGTCCAGTCAACCA 736

Db 344 AGCTCACTTCACTCCACGAGGCTTCTGCGCAAGAGATGGTCCAGTCCAGTCAACCA 403

QY 737 CTGGCGGTGACCTTGGCGAGTCCAGCGTGCACCTTTCGATCTCCAGATCCCGGCGGCG 796

Db 404 CTGGCGGTGATCTTGGCAGCA-----CCACTTCGATCTCAACATCCCGGCGGCG 454

QY 797 GCGTCGCGATCTCAACGAGTGTCTGTCAGAGTGGGCGCTCCCAACGAGCGGTGGGCT 856

Db 455 GCGTCGCGATCTTCAAGAGTGTCTGTCAGAGTGGGCGCTCCCAACGAGCGGTGGGCT 505

QY 857 GCGCTAGCGGCGATCAGTCCCGCGAGGAGTCTGCTCCCTCCCGAGCGGCTCCAGG 916

Db 506 AGCGCTAGCGGCGATCTGCTCCCGCGAGGAGTCTGCTCCCTCCCGAGCGGCTCCAGG 565

QY 917 AGGAGGTCACTGCGGCGGCTTCAACTGTTCAAGAAAGCGCGCAACCGTCCATGACTTACA 1028

Db 626 GTCAGGTCCAGTGGCGCGAGTCTGCTCGCTCGCAGCGGATGCGCGCGCA 677

RESULT 8

US-08-389-423-1

; Sequence 1, Application US/08389423

; Patent No. 5948672

; GENERAL INFORMATION:

; APPLICANT: Rasmussen, Grethe

; APPLICANT: Mikkelsen, Jan Moller

; APPLICANT: Schulein, Martin

; APPLICANT: Patkar, Shankant A.

; APPLICANT: Hagen, Fred

; TITLE OF INVENTION: A Cellulase Preparation Comprising an

; TITLE OF INVENTION: Endoglucanase Enzyme

; NUMBER OF SEQUENCES: 33

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: No. 5948672o No. 5948672disk of No. 5948672th America, Inc.

; STREET: 405 Lexington Avenue, 64th Floor

; CITY: New York

; STATE: New York

; COUNTRY: United States of America

; ZIP: 10174-6401

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible.

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/389,423

FILING DATE: 14-FEB-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 3469,214-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1060 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ORIGINAL SOURCE:

ORGANISM: Humicola insolens

STRAIN: DSM 1800

FEATURE:

NAME/KEY: mat\_peptide

LOCATION: 73..924

FEATURE:

NAME/KEY: sig\_peptide

LOCATION: 10..72

FEATURE:

NAME/KEY: CDS

LOCATION: 10..924

US-08-389-423-1

Query Match 27.5%; Score 286.4; DB 2; Length 1060;

Best Local Similarity 70.7%; Pred. No. 1.8e-48;

Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;

QY 381 CAGCGCTGTCAGCGGTGGCGCTAGCGGC-AACGGCGTCACTACCGCTACTGGAGTGT 439

Db 47 CCGCCCTGCGCGGTGTTGGCCCTTGGCGCTGATGCGAGTCCACCGCTACTGGAGTGT 106

QY 440 GCAAGGCTTCTGCTCGTGGCGCGCAAGGCTAAAGTCAAGTCTGTCAAGTCTTCA 499

Db 107 GCAAGGCTTCTGCTGGCGTGGCGCAAGGCTCCCGTGAACAGGCTGCTTTTCTGCA 166

QY 500 ACAAGGAGCGGCTCACCGCTTTAGCGACTTCAACGCGCAGTCCGGCTGCAA---CGGCG 556

Db 167 AC---GCCAACTTCCAGCGTATCAGCGACTTCAGCGCAAGTCCGGCTGCGAGCGCGGCG 223

QY 557 GCAACTCTCATATGTCAGCAAGCAACAGCGATGGGCTGTCAACGCAACCTTGTCTAG 616

Db 224 GTGTGCGCTACTCGTGGCGCGACAGACCCATGGGCTGTGAACAGAGCTTCGCGCTG 283

QY 617 GTTTCGCTGCGGCTGCCATTAGCGGCTGGCGAGCGCGCTGTGTCTGTCTGTCTG 676

Db 284 GTTTCGCTGCGGCTGTATTCGCGGCGAGCAATGAGCGGCTGTGTCTGTCTGTCTG 343

QY 677 AGCTCACTTCACTCCACGAGGCTTCTGCGCAAGAGATGGTCCAGTCCAGTCAACCA 736

Db 344 AGCTCACTTCACTCCAGGCTTCTGCTGCGCAAGAGATGGTCCAGTCCAGTCAACCA 403

QY 737 CTGGCGGTGACCTTGGCGAGTCCAGCGTGCACCTTTCGATCTCCAGATCCCGGCGGCG 796

Db 404 CTGGCGGTGATCTTGGCAGCA-----CCACTTCGATCTCAACATCCCGGCGGCG 454

QY 797 GCGTCGCGATCTCAACGAGTGTCTGTCAGAGTGGGCGCTCCCAACGAGCGGTGGGCT 856

Db 455 GCGTCGCGATCTTCAAGAGTGTCTGTCAGAGTGGGCGCTCCCAACGAGCGGTGGGCT 505

QY 857 GCGCTAGCGGCGATCAGTCCCGCGAGGAGTCTGCTCCCTCCCGAGCGGCTCCAGG 916

Db 506 AGCGCTAGCGGCGATCTGCTCCCGCGAGGAGTCTGCTCCCTCCCGAGCGGCTCCAGG 565

QY 917 CCGGCTGCAAGTGGCGGCTTCAACTGTTCAAGAAAGCGCGCAACCGTCCATGACTTACA 976



Db 566 CCGGCTGCTACTGGCGCTTCCAGCTGGTTCAAGAACGCCGCAATCCGAGCTTCAGCTTCC 625  
QY 977 AGGAGGTCACTGCCCAAGAGATCACCCCTAAGACCGGATGCTCGCGCAA 1028  
Db 626 GTCAGGTCCAGTCCGACCGGAGCTGCTGCTCGACCGGATGCCGCCGAA 677

## RESULT 9

US-08-816-915-7  
; Sequence 7, Application US/08816915  
; Patent No. 6060305  
; GENERAL INFORMATION:  
; APPLICANT: Royer, John C  
; APPLICANT: Moyer, Donna L  
; APPLICANT: Yoder, Wendy T  
; APPLICANT: Shuster, Jeffrey R  
; TITLE OF INVENTION: NON-TOXIC, NON-TOXIGENIC, NON-PATHOGENIC  
; TITLE OF INVENTION: FUSARIUM EXPRESSION SYSTEM  
; NUMBER OF SEQUENCES: 16  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 6060305 No. 6060305disk of No. 6060305th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/816,915  
; FILING DATE: 13-MAR-1997  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Agris Dr., Cheryl H.  
; REGISTRATION NUMBER: 34,086  
; REFERENCE/DOCKET NUMBER: 4216.240-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-867-0123  
; TELEFAX: 212-878-9655  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1060 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 10..924  
; FEATURE:  
; NAME/KEY: mat\_peptide  
; LOCATION: 73..924  
; FEATURE:  
; NAME/KEY: sig\_peptide  
; LOCATION: 10..72  
US-08-816-915-7

Query Match 27.5%; Score 286.4; DB 3; Length 1060;  
Best Local Similarity 70.7%; Pred. No. 1.8e-48;  
Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;  
QY 381 CAGCGCTGTGAGCGGTGGCGCTAGCGGC-NACCGGCTCACTACCGGCTACTGGGACTGCT 439  
Db 47 CCGCCCTGCGCGGTGTGGCCCTTGGCGCTGATGGCAGGTCCACCCGCTACTGGGACTGCT 106  
QY 440 GCAAGGCTTCTGCTCGTGGCCCGGCAAGGCTAAGCTCAGCTCGCTGTCAAGTCTCTGCA 499  
Db 107 GCAAGCTTCTGCTGGGCTGGGCCAAGAGGCTCCCGTGAACACGCTGTCTTTTCTGCA 166  
QY 500 ACAAGGACGGCTGACCGCTCTTAGCGACTTCCAAACGCCAGTCCGGTGCAA---CGGCG 556

Db 167 AC---GCCAACTTCCAGCGTATCACGGAATTCGACGCCAAAGTCCGGCTCGAGCCGGCG 223  
QY 557 GCAACTCTTACATGTGCAAGCAACAGCCATGGGCTGTCAACGACCAACTTGTCTTACG 616  
Db 224 GTGTGCGCTTACTGTGCGCGCGACAGACCCCATGGGCTGTGAACAGACGACTTTCGCGCTCG 283  
QY 617 GTTTCGCTGCGCGCTGCATTAGCGCGGTGGCGAGAGCGGCTGGTGTCTCTCTGCTTCCG 676  
Db 284 GTTTCGCTGCCACCTCTATTGCGGCGAGCAATGAGCGCGGCTGGTGTCTGCGCTGTACG 343  
QY 677 AGCTCACTTCACTTCCACAGCGTTGTGGCAAGAGATGTCGTCAGGTCAACCAACA 736  
Db 344 AGCTCACTTCACTCCGGTCTGTGTCGGCAAGAGATGTCGTCAGTCCACCAACGA 403  
QY 737 CTGGCGGTGACCTTGGCAGCTCGACCGGTGCCACATTCGATCTCCAGATGCCCGCGGCG 796  
Db 404 CTGGCGGTGATCTTGGCAGCAA-----CCACTTCGATCTCAACATCCCCGGGCGCG 454  
QY 797 GCGTCGGCATCTTCAACGGATGCTCTCCAGTGGGCGGCTCCCAACAGCGCTGGGGCT 856  
Db 455 GCGTCGGCATCTTCAACGGATGCTCTCCAGTGGGCGGCTCCCAACAGCGCTGGGGCT 505  
QY 857 CCGGCTAGCGCGGATCATCTCCGCGGAGTGTCTGTCCTCCGAGCGGCTCCAGG 916  
Db 506 AGCGCTAGCGCGGATCTCTGTCGCGCAAGAGTGTGCTGTCCTCCGAGCGGCTCAAGC 565  
QY 917 CCGGCTAGCGGAGTGTCAACTGTTCAAGAACCGCGACACCGCTCCATGACCTACA 976  
Db 566 CCGGCTAGCTTGGCGGCTTGGAGTGTTCGAGTTCGAGTTCGAGTTCGAGTTCGAGTTC 625  
QY 977 AGGAGGTACCTGCCCAAGGAGATCACCGCTAAGACCGGATGCTCGCGCAA 1028  
Db 626 GTCAGTTCAGTTCGCCGCGGAGTCTGCTGCTGACCGGATGCCCGCAA 677

## RESULT 10

US-09-189-060B-55  
; Sequence 55, Application US/09189060B  
; Patent No. 6270968  
; GENERAL INFORMATION:  
; APPLICANT: Dalboge, Henrik  
; APPLICANT: Sandal, Thomas  
; APPLICANT: Kauppinen, Markus  
; APPLICANT: Borge, Diderichsen  
; TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences  
; FILE REFERENCE: 4772.204-US  
; CURRENT APPLICATION NUMBER: US/09/189,060B  
; CURRENT FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: PCT/DK97/00216  
; PRIOR FILING DATE: 1997-05-12  
; NUMBER OF SEQ ID NOS: 74  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 55  
; LENGTH: 1060  
; TYPE: DNA  
; ORGANISM: Humicola insolens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (10)...(927)  
; NAME/KEY: mat\_peptide  
; LOCATION: (73)...(927)  
; NAME/KEY: sig\_peptide  
; LOCATION: (10)...(72)  
US-09-189-060B-55

Query Match 27.5%; Score 286.4; DB 4; Length 1060;  
Best Local Similarity 70.7%; Pred. No. 1.8e-48;  
Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;  
QY 381 CAGCGCTGTGAGCGGTGGCGCTAGCGGC-AACGGGCTCACTACCGGCTACTGGGACTGCT 439  
Db 47 CCGCCCTGCGCGGTGTGGCCCTTGGCGCTGATGGCAGGTCCACCCGCTACTGGGACTGCT 106





Db 47 CCGCCCTGCGGTGTGGCCCTTCCCGCTGATGGCAGGTCCACCCGCTACTGGGACTGCT 106  
QY 440 GCAAGGCTTCGTGCTCGTGGCCGCAAGCTTAAGTCAGCTCGCTGCTCAAGTCTCTGCA 499  
Db 107 GCAAGCCTTGTGGCGTGGCCAGAGAGCTCCGTTGAACCAAGCTGTCTTTCTCTGCA 166  
QY 500 ACAAGAGCGGCTCACCGCTCTTAGCGACTCCAAAGCCCAAGTCCGGCTGCAA---CGGCG 556  
Db 167 AC---GCCAACTCCAGCGTATCAGGACTTCAGCGCAAGTCCGGCTGGAGCGGGCG 223  
QY 557 GCACCTCTACATGTGCAAGCAACAGCAGCATGGGCTGTCAAGCAACCTTGTCTTACG 616  
Db 224 GTGTGCGCTACTCGTGGCCGACAGACCCATGGGCTGTGAACGACGACTTCGCGCTCG 283  
QY 617 GTTTCGCTGCGCTGCCATTAAGCGGCTGGCGAGAGCCGCTGTGCTGCTCTGCTTTCG 676  
Db 284 GTTTCGCTGCCACTCTATTGCCGCGAGCAATGAGCGGCGCTGTGCTGCGCTGTCTACG 343  
QY 677 AGTCACTTCACCTCCACGAGCGTTCGTGGCAAGAGATGGTGGTCCAGGTCAACAA 736  
Db 344 AGTCACTTCACATCCCGCTCTGTGCTGGCAAGAGATGGTGGTCCAGTCCAGTCCACGCA 403  
QY 737 CTGCGGTGACCTTGGCAGCTCGACCGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTG 796  
Db 404 CTGCGGTGATCTTGGCAGCAA-----CCACITTCGATCTCAACATCCCGCGGGCG 454  
QY 797 CGTTCGCTGCTTCAACGAGTGTCTGCTCCAGTGGGCGCTCCCAACGAGCGGTGGGCT 856  
Db 455 CGTTCGCTGCTTCAACGAGTGTCTGCTCCAGTGGGCGCTCCCAACGAGCGGTGGGCT 856  
QY 857 CGGCTACGCGGCGATCAGCTCCGCGAGCGACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 916  
Db 506 AGCGCTACGCGGCGATCTGCTCCGCAACGAGTGGTGGTTCGCGCGAGCGCTCAAGC 565  
QY 917 CCGGCTGCAAGTGGCGCTTCACTGCTTCAAGAGCGGACCGTTCATGCTGCTGCTGCTG 976  
Db 566 CCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 625  
QY 977 AGGAGTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1028  
Db 626 GTCAGGTCCAGTGGCCAGCGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 677

## RESULT 14

US-08-651-136C-5  
; Sequence 5, Application US/08651136C  
; Patent No. 6001639  
; GENERAL INFORMATION:  
; APPLICANT: Schulein, Martin  
; APPLICANT: Andersen, Lene N.  
; APPLICANT: Lassen, Soren F.  
; APPLICANT: Kauppinen, Markus S.  
; APPLICANT: Lange, Lene  
; APPLICANT: Nielsen, Ruby I.  
; APPLICANT: Ihara, Michiko  
; APPLICANT: Takagi, Shinobu  
; TITLE OF INVENTION: No. 6001639el Endoglucanases  
; NUMBER OF SEQUENCES: 109  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: No. 6001639o No. 6001639disk of No. 6001639th America, Inc.  
; STREET: 405 Lexington Avenue, 64th Floor  
; CITY: New York  
; STATE: New York  
; COUNTRY: United States of America  
; ZIP: 10174-6401  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30.  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/651,136C  
; FILING DATE: 21-MAY-1996

CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 927 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..924  
US-08-651-136C-5  
  
Query Match 26.3%; Score 274.8; DB 3; Length 927;  
Best Local Similarity 68.5%; Pred. No. 3.4e-46;  
Matches 429; Conservative 0; Mismatches 182; Indels 15; Gaps 3;  
  
QY 406 GGCAAGCGGCTCACTACCGCTACTGGGACTGCTGCAAGGCTTCGTGCTGGGCGCGC 465  
Db 64 GGCATCGGCAGACGACCGGCTACTGGGACTGCTGCAAGCGGCTGCGCTGGCGCGCGC 123  
QY 466 AAGGCTAAGCTGAGCTCGGCTGTCAAGTCTCTCAAGCAAGGAGCGGCTCAAGCTCTTAGC 525  
Db 124 AAGGG---CCCCCTGCTCCGGTGCAGGCTTCGCAAGAACGACACCGCTCAACGAC 180  
QY 526 GACTCCAAAGCCCGAGTCCGGCTGCAAC---GGCGCAACTCTTACATGTGCAACGACAA 582  
Db 181 GCGGCTTCACCGGCTCGGCTGCGAGCGGCGGCGGCGGCTACATGTGCTCTCCAG 240  
QY 583 CAGCCATAGGCTGTCAACGACAACTTGTTCAGGTTTCGTGCTGCGGCTGCCATTAGCGGC 642  
Db 241 AGCCCTTGGGCGCTCAGCGACGAGTGTGCTAGGCTGCTGCGGCGGCGGCTCAAGCTCGC 300  
QY 643 GGTGGCGAGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 702  
Db 301 AGCTCGAGTGCAGTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360  
QY 703 GTGCAAGCAAGATGCTGCTCCAGGTACCAACTGCGGCTGACCTTGGCAGTCTGAC 762  
Db 361 GCGGCAAGCAAGATGATTGTGAGGCGACCAACACCGGTGGCGACCTGGG-----C 411  
QY 763 GGTGCCCCTTCGATCTCCAGATGCCGCGGCGGCGGCTGCGCATCTTCAACGATGCTCG 822  
Db 412 GACAACCACTTTGACCTGGCCATCCCGGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCT 471  
QY 823 TCCAGTGGGCGCTCCCAACGACGCTGGGCTGCGGCTAGCGGCGGCTGCTGCTGCTGCTGCT 882  
Db 472 GACCAAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 531  
QY 883 AGCGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 942  
Db 532 GAAGAGTGGCAATCTTCTCCGAGGCGCTCAAGCGGCGGCTCAAGCTGCGGCTTCCGACTGG 591  
QY 943 TTCAAGACGCGGCAACCGCTTCATGACCTACAGAGGCTGACCTGCTGCTGCTGCTGCTGCT 1002  
Db 592 TTCAAGACGCGGCAACCGCTTCATGACCTACAGAGGCTGACCTGCTGCTGCTGCTGCTGCT 651  
QY 1003 ACCGCTAAGACCGGATGCTTCGCGCAA 1028  
Db 652 AGTCCAGAGCGGCTGCTCCCGTAA 677

## RESULT 15

US-09-229-911A-5  
; Sequence 5, Application US/09229911A  
; Patent No. 6387690

## GENERAL INFORMATION:

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TITLE OF INVENTION: No. 6387690el Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. 6387690 No. 6387690disk of No. 6387690th America, Inc.  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/229,911A  
FILING DATE: 13-Jan-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
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TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
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INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 927 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..924  
SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
US-09-229-911A-5

Query Match 26.3%; Score 274.8; DB 4; Length 927;  
Best Local Similarity 68.5%; Pred. No. 3.4e-46;  
Matches 429; Conservative 0; Mismatches 182; Indels 15; Gaps 3;  
QY 406 GGCAACGGCGTCACTACCGCTACTGGGACTGCTGCAAGGCTTCTGTCGTGGCCCGGC 465  
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QY 526 GACTCCAAACCGCCAGTCCCGCTGCAAC---GGCGGCAACTCTTACATGTGCAACGACAC 582  
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QY 763 GGTGCCCCACTTTCGATCTCCAGATGCCCGGCGGCGGTGCGGATCTTCAACGGATGCTCG 822  
DB 412 GACAACCACTTTGACCTGGCCATCCCGGTGGGGTGTGCGTATTTTCAACGCTCGACC 471  
QY 823 TCCAGTGGGCGCTCCCAACGACGAGCTGGGGTCCCGCTACGGCGGCACTCAGCTCCGCC 882  
DB 472 GACCACTACGGGCTCCCGCAACGAGCTGGGGCGACCGCTACGGCGGCACTCCATTCCAAG 531  
QY 883 AGCGACTGCTGCTCCCTCCCGGCGGCTCCAGGCGGCTGCAAGTGGCGCTTCAACTGG 942  
DB 532 GAAGAGTCCGAATCTCTCCCGAGGCGCTCAAGCGGCGCTTCAAGTGGCGCTTCAACTGG 591  
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DB 592 TTCCAAACGCGGCAACAACCGTCCGCTCACCTTCCAGGAGGTGGCGCTGCGCGGAGCTC 651  
QY 1003 ACGGCTAAGACCGGATGCTCGCGCAA 1028  
DB 652 ACGTCCAAAGAGCGGCTGCTCCCGTAA 677

Search completed: June 18, 2003, 03:18:02  
Job time : 83 secs

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